

Customer No. 000959

Case Docket No. MMI-006

THE COMMISSIONER FOR PATENTS  
Box Patent Application  
Washington, D.C. 20231

"Express Mail" Mailing Label Number EL 931 674 165 US

Date of Deposit December 14, 2001

I hereby certify that this transmittal letter and the papers referred to as being enclosed therein are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Signature

Viriato G. Cardoso

Please Print Name of Person Signing

J1046 U.S. PTO  
10/017631  
12/14/01

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Jeanette McCarthy

For: Diagnosis and Treatment of Vascular Disease

Enclosed are:

- ☐ This is a request for filing a ☐ continuation ☐ divisional application under 37 CFR 1.53(b), of pending prior application serial no. \_\_\_\_\_ filed on \_\_\_\_\_ entitled \_\_\_\_\_.
- ☒ 86 pages of specification, 22 pages of claims, 1 pages of abstract.
- ☒ 10 sheets of drawings (Figs. 1-2)
- ☒ An executed Declaration, Petition and Power of Attorney.
- ☒ An executed Assignment to Millennium Predictive Medicine, Inc.. A recordation form cover sheet (Form PTO 1595) is also enclosed.
- ☒ Transmittal Letter for Diskette of Sequence Listing.
- ☒ Diskette Containing Sequence Listing.
- ☒ Sequence Listing (10 pgs.)
- ☒ Preliminary Amendment ( 3 pgs. Including Version with Markings to Show Changes Made)
- ☒ Application Data Sheet (2 pgs.)
- ☒ Return Postcard

The filing fee has been calculated as shown below:

|   | (Col. 1)             | (Col. 2)  |
|---|----------------------|-----------|
| FOR:  | NO. FILED            | NO. EXTRA |
| BASIC FEE   | //////////////////// |           |
| TOTAL CLAIMS  | 148- 20              | = 128     |
| INDEP. CLAIMS   | 35 - 3               | = 32      |
| <input checked="" type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED |                      |           |

\* If the difference in Col. 2 is less than zero,  
enter "0" in Col. 2.

| SMALL ENTITY |     |
|--------------|-----|
| RATE         | FEE |
| ////////     | \$  |
| x 9=         | \$  |
| x 42         | \$  |
| +140         | \$  |
| TOTAL        | 0   |

| OTHER THAN<br>SMALL ENTITY |           |
|----------------------------|-----------|
| RATE                       | FEE       |
| ////////                   | \$ 740    |
| x 18=                      | \$ 2304   |
| x 84                       | \$ 2688   |
| +280                       | \$ 280    |
| TOTAL                      | \$6012.00 |

- ☒ A check in the amount of \$ \$6012.00 to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 12-0080.  
A duplicate copy of this sheet is enclosed.
- ☒ Any additional filing fees required under 37 C.F.R. 1.16.
- ☐ Any patent application processing fees under 37 C.F.R. 1.17.


MMI-006

- ☐ The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application or credit any overpayment to Deposit Account No. 12-0080.  
A duplicate copy of this sheet is enclosed.
- ☐ Any patent application processing fees under 37 C.F.R. 1.17.
- ☐ The issue fee set in 37 C.F.R. 1.18 at or before mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).
- ☐ Any filing fees under 37 C.F.R. 1.16 for presentation of extra claims.
- ☒ A check in the amount of \$ 40.00 to cover the recording of assignment documents is also enclosed.
- ☒ Address all future communications (May only be completed by applicant, or attorney or agent of record) to DeAnn F. Smith, Esq. at **Customer Number: 000959** whose address is:

Lahive & Cockfield, LLP  
28 State Street  
Boston, Massachusetts 02109

Date: December 14, 2001

LAHIVE & COCKFIELD, LLP  
Attorneys at Law

By   
DeAnn F. Smith, Esq.  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Jeanette McCarthy

Serial No.: Not Yet Assigned

Filed: Herewith

For: "Diagnosis and Treatment of Vascular Disease"

Attorney Docket No.: MMI-006

Commissioner for Patents  
Box Sequence  
Washington, D.C. 20231

TRANSMITTAL LETTER FOR DISKETTE CONTAINING SEQUENCE LISTING

Dear Sir:

Enclosed is a diskette which contains a computer readable form of the Sequence Listing for the patent application filed herewith. The Sequence Listing complies with the requirements of 37 C.F.R. §1.821. The material on this diskette is identical in substance to the sequence listing appearing on pages 1-10, of the Sequence Listing which is submitted herewith, as required by 37 C.F.R. §1.821(f). The computer readable form of the sequence listing contained on the enclosed diskette is understood to comply with the requirements of §1.824(d).

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Signature

Viriato A. Cardoso  
Please Print Name of Person Signing

Respectfully submitted,

LAHIVE & COCKFIELD, LLP

By: DeAnn F. Smith

DeAnn F. Smith, Esq.

Reg. No. 36,683

Attorney for Applicant

Date: **December 14, 2001**